

Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of the Claims:

1. (Canceled) Low hot-melt adhesive composition used in non-woven assemblies, comprising
 - a) 100 parts by weight of a block copolymer of the formula S-(I/B)-S, wherein S represents a predominantly poly(styrene) block and (I/B) represents a polymer block obtained by at random copolymerization of a mixture of predominantly isoprene and butadiene in a weight ratio in the range of from 60:40 to 40:60, wherein the total block copolymer has an apparent molecular weight in the range of from 124.000 to 145.000 and has a poly(styrene) content of from 30 to 34 wt% and a coupling efficiency of from 60 to 100 %,
 - b) from 250 to 300 parts by weight of a tackifying resin,
 - c) from 5 to 150 parts by weight of a plasticizer , and
 - d) from 1 to 3 parts by weight of auxiliaries, such as stabilizers and/or antioxidants.
2. (Canceled) Low hot-melt viscosity adhesive composition according to claim 1, wherein the (I/B) block has a vinyl content in the polymerized butadiene in the range of from 7 to 9 wt% and a vinyl content in the polymerized isoprene in the range of from 4 to 6 wt%.
3. (Canceled) Low hot-melt viscosity adhesive composition according to claim 1, wherein from 250 to 280 parts by weight of hydrocarbon resin per 100 parts by weight of block copolymer have been included.
4. (Canceled) Disposable articles such as infant and adult diapers or sanitary napkins, incontinent pads, bed pads, feminine pads, panty shields, comprising at least one non-woven element and assembled by the use of the low hot-melt viscosity adhesive composition according to claims 1-3.
5. (Canceled) Block copolymers of the formula S-(I/B)-S, wherein S represents a predominantly poly(styrene) block and (I/B) represents a polymer block obtained by

at random copolymerization of a mixture of predominantly isoprene and butadiene in a weight ratio in the range of from 60:40 to 40:60, wherein the total block copolymer has an apparent molecular weight in the range of from 124,000 to 145,000 and has a poly(styrene) content of from 30 to 34 wt% and a coupling efficiency of from 60 to 100 %.

6. (Canceled) Block copolymers according to claim 5, wherein the S blocks have been derived from pure styrene.
7. (Canceled) Block copolymers according to claim 6, wherein the (I/B) block has a vinyl content in the polymerized butadiene in the range of from 7 to 9 wt% and a vinyl content in the polymerized isoprene in the range of from 4 to 6 wt%.
8. (New) Low hot-melt adhesive composition used in non-woven assemblies, comprising
 - a) 100 parts by weight of a block copolymer of the formula
$$S-(I/B)-S$$
wherein S represents a predominantly poly(styrene) block and (I/B) represents a polymer block obtained by at random copolymerization of a mixture of predominantly isoprene and butadiene in a weight ratio in the range of from 60:40 to 40:60, wherein the total block copolymer has an apparent molecular weight in the range of from 124,000 to 145,000 and has a poly(styrene) content of from 30 to 34 wt% and a coupling efficiency of from 60 to 100 %,
 - b) from 250 to 300 parts by weight of a tackifying resin,
 - c) from 5 to 150 parts by weight of a plasticizer , and
 - d) from 1 to 3 parts by weight of one or more auxiliaries.
9. (New) The low hot-melt viscosity adhesive composition of claim 8, wherein the (I/B) block has a vinyl content in the polymerized butadiene in the range of from 7 to 9 wt% and a vinyl content in the polymerized isoprene in the range of from 4 to 6 wt%.
10. (New) The low hot -melt viscosity adhesive composition of claim 8, wherein the auxiliaries are selected from stabilizers and antioxidants.

11. (New) The low hot-melt viscosity adhesive composition of claim 8, wherein from 250 to 280 parts by weight of hydrocarbon resin per 100 parts by weight of block copolymer have been included.

12. (New) The low hot-melt viscosity adhesive composition of claim 9, wherein from 250 to 280 parts by weight of hydrocarbon resin per 100 parts by weight of block copolymer have been included and wherein the auxiliaries are selected from stabilizers and antioxidants..

13. (New) Disposable articles comprising at least one non-woven element and assembled using a low hot-melt viscosity adhesive composition comprising

- a) 100 parts by weight of a block copolymer of the formula



wherein S represents a predominantly poly(styrene) block and (I/B) represents a polymer block obtained by at random copolymerization of a mixture of predominantly isoprene and butadiene in a weight ratio in the range of from 60:40 to 40:60, wherein the total block copolymer has an apparent molecular weight in the range of from 124,000 to 145,000 and has a poly(styrene) content of from 30 to 34 wt% and a coupling efficiency of from 60 to 100 %,

- b) from 250 to 300 parts by weight of a tackifying resin,
- c) from 5 to 150 parts by weight of a plasticizer , and
- d) from 1 to 3 parts by weight of one or more auxiliaries.

14. (New) The disposable articles of claim 13, wherein in the block copolymer of the low hot-melt viscosity adhesive composition the (I/B) block has a vinyl content in the polymerized butadiene in the range of from 7 to 9 wt% and a vinyl content in the polymerized isoprene in the range of from 4 to 6 wt%.

15. (New) The disposable articles of claim 13, wherein the auxiliaries in the low hot-melt viscosity adhesive composition are selected from stabilizers and antioxidants.

16. (New) The disposable articles of claim 13, wherein the low hot-melt viscosity adhesive composition further comprises from 250 to 280 parts by weight of hydrocarbon resin per 100 parts by weight of block copolymer.

17. (New) The disposable articles of claim 14, wherein the low hot-melt viscosity adhesive composition further comprises from 250 to 280 parts by weight of

hydrocarbon resin per 100 parts by weight of block copolymer and the auxiliaries in the low hot-melt viscosity adhesive composition are selected from stabilizers and antioxidants.

18. (New) The disposable articles of claim 13, wherein said articles are selected from infant diapers, adult diapers, sanitary napkins, incontinent pads, bed pads, feminine pads, and panty shields,
19. (New) Block copolymers of the formula S-(I/B)-S, wherein S represents a predominantly poly(styrene) block and (I/B) represents a polymer block obtained by at random copolymerization of a mixture of predominantly isoprene and butadiene in a weight ratio in the range of from 60:40 to 40:60, wherein the total block copolymer has an apparent molecular weight in the range of from 124,000 to 145,000, has a poly(styrene) content of from 30 to 34 wt% and a coupling efficiency of from 60 to 100 %.
20. (New) The block copolymers of claim 19, wherein the S blocks have been derived from pure styrene.
21. (New) The block copolymers of claim 20, wherein the (I/B) block has a vinyl content in the polymerized butadiene in the range of from 7 to 9 wt% and a vinyl content in the polymerized isoprene in the range of from 4 to 6 wt%.

Applicants have canceled original claims 1 to 7 and respectfully request that prosecution proceeds on newly added claims 8 to 21 with the national examination procedures under 35 U.S.C. § 371.

Respectfully submitted,

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